

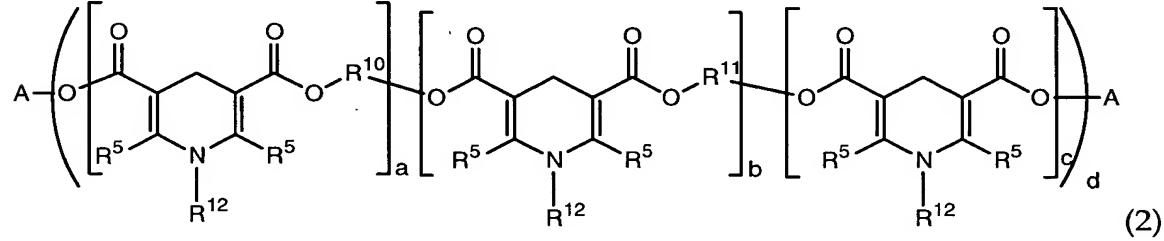
WHAT IS CLAIMED IS:

1. A stabilizer composition comprising
a dihydropyridine, a polydihydropyridine, or a mixture thereof, wherein the
dihydropyridine is of formula (1)



wherein each R⁵ is independently a C₁ to C₃₆ alkyl group, each R⁴ is independently
5 hydrogen, -OR⁷, -NHR⁷, or -NR⁷R⁸ each R⁷ and R⁸ is independently a substituted or
unsubstituted C₁-C₂₀ alkyl or C₂-C₂₀ alkenyl group, each R⁶ is independently
hydrogen, oxygen, halogen, or a substituted or unsubstituted C₁ to C₃₆ alkyl, alkenyl,
aryl, alkaryl, or aralkyl group, and R¹² is a hydrogen, a substituted or unsubstituted
C₁-C₂₀ alkyl, C₆-C₃₆ aryl, or C₆-C₃₆ alkaryl group, and wherein the

10 polydihydropyridine is of formula (2):



wherein A is a C₆₋₁₈ aryl or C₁₋₂₂ alkyl group that is unsubstituted or substituted with
a C₁-C₁₈ alkoxy, C₁-C₁₈ alkylthio, hydroxy, acryloyloxy, methacryloyloxy, halogen,
phenyl or naphthyl group, each R⁵ is independently a C₁ to C₃₆ alkyl group, a and b
15 are a number from 0 to 20, c is 0 or 1, and d is a number from 1 to 6, with the proviso
that d(a+b+c)>1 and (a+b)>0, R¹⁰ and R¹¹ are each independently methylene, phenyl,
or an alkylene group of the type (-C_pH_{2p}-X-)_tC_pH_{2p}- wherein p is a number from 2 to
18, t is a number from 0 to 10, and X is oxygen or sulfur, and R¹² is a hydrogen, a
substituted or unsubstituted C₁-C₂₀ alkyl, C₆-C₃₆ aryl or C₆-C₃₆ alkaryl group;

20 an amino alcohol of formula 3:



wherein Y is a substituted or unsubstituted C₁-C₃₆ alkyl, C₆-C₃₆ aryl, C₇-C₃₆ alkaryl, or C₇-C₃₆ aralkyl group; R¹ and R² are each independently hydrogen or a substituted or unsubstituted C₁-C₃₆ alkyl, C₆-C₃₆ aryl, C₇-C₃₆ alkaryl, or C₇-C₃₆ aralkyl group, and

5 two of Y, R¹, or R² may join together to form a substituted or unsubstituted C₂-C₃₆ carbocyclic or heterocyclic group having oxygen or sulfur heteroatoms in the ring, and further wherein Y, R¹, and R² are substituted so as to provide the aminoalcohol with two or more hydroxy groups; and/or

a perchlorate salt.

2. The stabilizer composition of claim 1, wherein the composition comprises an aminoalcohol and the aminoalcohol is tris(hydroxymethylamino)methane, tris(hydroxyethylamino)ethane, triethanolamine, N,N'-bis(2-hydroxyethyl)ethylenediamine, glucamine, or a mixture comprising at least one of the foregoing aminoalcohols.

3. The stabilizer composition of claim 1, wherein the composition comprises a perchlorate salt and the perchlorate salt has the formula M(ClO₄)_n, wherein M is Li, Na, K, Mg, Ca, Sr, Zn, Al, La or Ce, and n is 1, 2 or 3, depending on the valence of M.

4. The stabilizer composition of claim 1, 2, or 3, wherein each R⁴ is -OR⁷, and R⁷ is a C₁-C₆ alkyl group.

5. The stabilizer composition of claim 1, 2, or 3 wherein the composition comprises an aminoalcohol and a perchlorate salt, and wherein aminoalcohol is tris(hydroxymethylamino)methane or triethanolamine, each R⁴ is -OR⁷ wherein R⁷ is

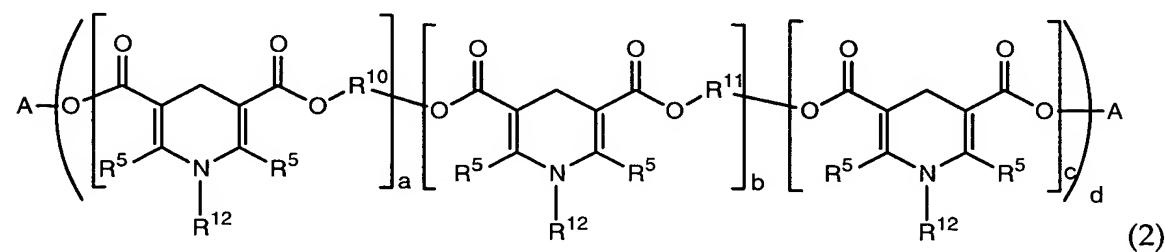
a methyl or ethyl group, each R⁵ is the same, and the perchlorate salt is sodium perchlorate.

6. A method of stabilizing a composition comprising adding to a halogen-containing vinyl polymer composition the stabilizer composition of claim 1, 2, or 3.

7. A polymeric composition, comprising
a halogen-containing vinyl polymer,
a dihydropyridine, a polydihydropyridine, or a mixture thereof, wherein the dihydropyridine is of formula (1)



wherein each R⁵ is independently a C₁ to C₃₆ alkyl group, each R⁴ is independently hydrogen, -OR⁷, -NHR⁷, or -NR⁷R⁸ each R⁷ and R⁸ is independently a substituted or unsubstituted C₁-C₂₀ alkyl or C₂-C₂₀ alkenyl group, each R⁶ is independently hydrogen, oxygen, halogen, or a substituted or unsubstituted C₁ to C₃₆ alkyl, alkenyl, aryl, alkaryl, or aralkyl group, and R¹² is a hydrogen, a substituted or unsubstituted C₁-C₂₀ alkyl, C₆-C₃₆ aryl, or C₆-C₃₆ alkaryl group, and wherein the polydihydropyridine is of formula (2):



wherein A is a C₆₋₁₈ aryl or C₁₋₂₂ alkyl group that is unsubstituted or substituted with a C₁-C₁₈ alkoxy, C₁-C₁₈ alkylthio, hydroxy, acryloyloxy, methacryloyloxy, halogen, phenyl or naphthyl group, each R⁵ is independently a C₁ to C₃₆ alkyl group, a and b

are a number from 0 to 20, c is 0 or 1, and d is a number from 1 to 6, with the proviso that $d(a+b+c)>1$ and $(a+b)>0$, R^{10} and R^{11} are each independently methylene, phenyl, or an alkylene group of the type $(-C_pH_{2p}-X-)tC_pH_{2p}-$ wherein p is a number from 2 to 18, t is a number from 0 to 10, and X is oxygen or sulfur, and R^{12} is a hydrogen, a

5 substituted or unsubstituted C_1-C_{20} alkyl, C_6-C_{36} aryl or C_6-C_{36} alkaryl group;

an amino alcohol of formula 3:



wherein Y is a substituted or unsubstituted C_1-C_{36} alkyl, C_6-C_{36} aryl, C_7-C_{36} alkaryl, or C_7-C_{36} aralkyl group; R^1 and R^2 are each independently hydrogen or a substituted or unsubstituted C_1-C_{36} alkyl, C_6-C_{36} aryl, C_7-C_{36} alkaryl, or C_7-C_{36} aralkyl group, and two of Y, R^1 , or R^2 may join together to form a substituted or unsubstituted C_2-C_{36} carbocyclic or heterocyclic group having oxygen or sulfur heteroatoms in the ring, and further wherein Y, R^1 , and R^2 are substituted so as to provide the aminoalcohol with two or more hydroxy groups; and/or

15 a perchlorate salt.

8. The stabilized copolymer composition of claim 7, wherein the composition comprises an aminoalcohol and the aminoalcohol is tris(hydroxymethylamino)methane, tris(hydroxyethylamino)ethane, triethanolamine, N,N'-bis(2-hydroxyethyl)ethylenediamine, glucamine, or a mixture comprising at least one of the foregoing aminoalcohols.

9. The stabilized polymer composition of claim 7, comprising 0.01 to 5 phr of the dihydropyridine, 0.1 to 3 phr of the aminoalcohol, and 0.001 to 5 phr of the perchlorate salt.

10. An article comprising the stabilized polymer composition of claim 7, 8, or 9.